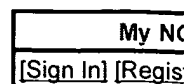
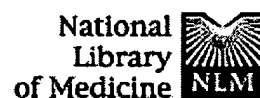


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
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
















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PMID: 1785858 [PubMed - indexed for MEDLINE]
- ☐ **405:** [Mills LR.](#) Related Articles, Links
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PMID: 1664709 [PubMed - indexed for MEDLINE]

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- ☐ **413:** Gruver CL, Katz AM, Messineo FC. Related Articles, Links



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PMID: 2167385 [PubMed - indexed for MEDLINE]

- ☐ **415:** Ruigrok TJ. Related Articles, Links

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- ☐ **416:** [Philipson KD.](#) Related Articles, Links
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PMID: 2191788 [PubMed - indexed for MEDLINE]
- ☐ **417:** [Heilmann C, Spamer C, Gerok W.](#) Related Articles, Links
-  Aspects of hepatic calcium metabolism.
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- ☐ **418:** [Smith JB, Zheng T, Smith L.](#) Related Articles, Links
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-  Sodium-calcium and sodium-proton exchangers in red blood cells.
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-  Vascular muscle membrane cation mechanisms and total peripheral resistance.
Hypertension. 1987 Nov;10(5 Pt 2):I20-2. Review.
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- ☐ **423:** [Letarte M, Quackenbush EJ, Bauml R, Michalak M.](#) Related Articles, Links
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Can J Physiol Pharmacol. 1984 Jan;62(1):9-22. Review.
PMID: 6143603 [PubMed - indexed for MEDLINE]

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=> s human sodium-calcium exchanger

14 FILES SEARCHED...
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35 FILES SEARCHED...
51 FILES SEARCHED...
62 FILES SEARCHED...
71 FILES SEARCHED...

L1 29 HUMAN SODIUM-CALCIUM EXCHANGER

=> DUP REM L1

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L2 26 DUP REM L1 (3 DUPLICATES REMOVED)

=> D L2 1-26

L2 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:120883 CAPLUS

DN 140:176296

TI cDNA and protein sequences of human potassium-dependent sodium-calcium exchanger and its uses in therapeutics and drug screening

IN Nozawa, Katsura; Mochizuki, Shinobu

PA Yamanouchi Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004013173	A1	20040212	WO 2003-JP309732	20030731
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2480427	AA	20040212	CA 2003-2480427	20030731
PRAI	JP 2002-225114	A	20020801		
	JP 2003-182989	A	20030626		
	WO 2003-JP9732	W	20030731		

L2 ANSWER 2 OF 26 USPATFULL on STN

AN 2004:69593 USPATFULL

TI Fusion proteins comprising DP-178 and other viral fusion inhibitor peptides useful for treating aids

IN Bolognesi, Dani Paul, Durham, NC, UNITED STATES
Matthews, Thomas James, Durham, NC, UNITED STATES
Wild, Carl T., Durham, NC, UNITED STATES
Barney, Shawn O'apos, Lin, Cary, NC, UNITED STATES
Lambert, Dennis Michael, Cary, NC, UNITED STATES
Petteway, Stephen Robert, Cary, NC, UNITED STATES
Langlois, Alphonse J., Durham, NC, UNITED STATES
PA Duke University (U.S. corporation)
Trimeris, Inc. (U.S. corporation)
PI US 2004052820 A1 20040318
AI US 2002-267748 A1 20021008 (10)
RLI Continuation of Ser. No. US 1995-484223, filed on 7 Jun 1995, PENDING
Division of Ser. No. US 1995-470896, filed on 6 Jun 1995, GRANTED, Pat.
No. US 6479055 Continuation-in-part of Ser. No. US 1994-360107, filed on
20 Dec 1994, GRANTED, Pat. No. US 6017536 Continuation-in-part of Ser.
No. US 1994-255208, filed on 7 Jun 1994, GRANTED, Pat. No. US 6440656
Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993,
GRANTED, Pat. No. US 5464933
DT Utility
FS APPLICATION
LN.CNT 40442
INCL INCLM: 424/208.100
INCLS: 424/188.100; 530/350.000; 424/204.100; 530/300.000
NCL NCLM: 424/208.100
NCLS: 424/188.100; 530/350.000; 424/204.100; 530/300.000
IC [7]
ICM: A61K039-21
ICS: C07K014-16; A61K039-12; C07K002-00; C07K004-00; C07K005-00;
C07K007-00; C07K014-00; C07K016-00; C07K017-00; A61K038-00; C07K001-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 3 OF 26 USPATFULL on STN
AN 2004:44245 USPATFULL
TI Nucleic acids encoding DP-178 and other viral fusion inhibitor peptides
useful for treating aids
IN Bolognesi, Dani Paul, Durham, NC, UNITED STATES
Matthews, Thomas James, Durham, NC, UNITED STATES
Wild, Carl T., Durham, NC, UNITED STATES
PA Duke University (U.S. corporation)
PI US 2004033235 A1 20040219
AI US 2003-267682 A1 20030106 (10)
RLI Continuation of Ser. No. US 1995-484223, filed on 7 Jun 1995, PENDING
Division of Ser. No. US 1995-470896, filed on 6 Jun 1995, GRANTED, Pat.
No. US 6479055 Continuation-in-part of Ser. No. US 1994-360107, filed on
20 Dec 1994, GRANTED, Pat. No. US 6017536 Continuation-in-part of Ser.
No. US 1994-255208, filed on 7 Jun 1994, GRANTED, Pat. No. US 6440656
Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993,
GRANTED, Pat. No. US 5464933
DT Utility
FS APPLICATION
LN.CNT 59510
INCL INCLM: 424/186.100
INCLS: 424/188.100; 530/350.000; 424/208.100; 424/187.100
NCL NCLM: 424/186.100
NCLS: 424/188.100; 530/350.000; 424/208.100; 424/187.100
IC [7]
ICM: A61K039-21
ICS: A61K039-12; C07K014-16; C07K014-10; C07K014-05; C07K014-11
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 4 OF 26 USPATFULL on STN
AN 2004:301902 USPATFULL
TI Methods for inhibition of membrane fusion-associated events, including
HIV transmission
IN Bolognesi, Dani Paul, Durham, NC, United States
Matthews, Thomas James, Durham, NC, United States
Wild, Carl T., Durham, NC, United States
PA Duke University, Durham, NC, United States (U.S. corporation)
PI US 6824783 B1 20041130
AI US 1995-487266 19950607 (8)
RLI Division of Ser. No. US 1995-470896, filed on 6 Jun 1995, now patented,
Pat. No. US 6479055 Continuation-in-part of Ser. No. US 1994-360107,

filed on 20 Dec 1994, now patented, Pat. No. US 6017536
Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994,
now patented, Pat. No. US 5440656 Continuation-in-part of Ser. No. US
1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933

DT Utility
FS GRANTED
LN.CNT 25013
INCL INCLM: 424/188.100
INCLS: 424/208.100; 435/005.000; 530/360.000
NCL NCLM: 424/188.100
NCLS: 424/208.100; 435/005.000; 530/360.000
IC [7]
ICM: A61K039-21
EXF 435/5; 530/300; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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AN 2005:48406 BIOSIS
DN PREV200500049773
TI Down-regulation of sarcolipin mRNA expression in chronic atrial
fibrillation.
AU Uemura, N.; Ohkusa, T.; Hamano, K.; Nakagome, M.; Hori, H.; Shimizu, M.;
Matsuzaki, M.; Mochizuki, S.; Minamisawa, S. [Reprint Author]; Ishikawa,
Y.
CS Grad Sch MedDept PhysiolKanazawa Ku, Yokohama City Univ, 3-9 Fukuura,
Yokohama, Kanagawa, 2360004, Japan
sminamis@med.yokohama-cu.ac.jp
SO European Journal of Clinical Investigation, (November 2004) Vol. 34, No.
11, pp. 723-730. print.
CODEN: EJCIB8. ISSN: 0014-2972.
DT Article
LA English
ED Entered STN: 26 Jan 2005
Last Updated on STN: 26 Jan 2005

L2 ANSWER 6 OF 26 USPATFULL on STN
AN 2003:312209 USPATFULL
TI Novel 18607, 15603, 69318, 12303, 48000, 52920, 5433, 38554, 57301,
58324, 55063, 52991, 59914, 59921 and 33751 molecules and uses therefor
IN Glucksmann, Maria A., Lexington, MA, UNITED STATES
Curtis, Rory A.J., Ashland, MA, UNITED STATES
Lora, Jose M., Arlington, MA, UNITED STATES
Galvin, Katherine M., Jamaica Plain, MA, UNITED STATES
Silos-Santiago, Inmaculada, Del Mar, CA, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2003219806 A1 20031127
AI US 2003-391399 A1 20030318 (10)
RLI Continuation-in-part of Ser. No. US 2001-789481, filed on 20 Feb 2001,
PENDING Continuation-in-part of Ser. No. US 2000-634669, filed on 8 Aug
2000, ABANDONED Continuation-in-part of Ser. No. US 2000-583373, filed
on 31 May 2000, ABANDONED Continuation-in-part of Ser. No. US
2000-510706, filed on 22 Feb 2000, ABANDONED Continuation-in-part of
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Continuation-in-part of Ser. No. US 2002-94214, filed on 8 Mar 2002,
PENDING Continuation-in-part of Ser. No. US 2001-828035, filed on 6 Apr
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filed on 17 Sep 2002, PENDING Continuation-in-part of Ser. No. US
2002-95139, filed on 11 Mar 2002, PENDING Continuation-in-part of Ser.
No. US 2001-957683, filed on 19 Sep 2001, ABANDONED Continuation-in-part
of Ser. No. US 2001-942447, filed on 29 Aug 2001, ABANDONED
Continuation-in-part of Ser. No. US 2002-62937, filed on 31 Jan 2002,
PENDING Continuation-in-part of Ser. No. US 2002-255532, filed on 26 Sep
2002, PENDING
PRAI US 2001-336936P 20011204 (60)
US 2001-275078P 20010312 (60)
US 2000-195734P 20000407 (60)
US 2000-214176P 20000626 (60)
US 2001-322983P 20010917 (60)
US 2001-275172P 20010312 (60)
US 2000-233537P 20000919 (60)
US 2000-229036P 20000831 (60)

US 2001-267076P 20010201 (60)
US 2001-325854P 20010927 (60)
DT Utility
FS APPLICATION
LN.CNT 19893
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 514/012.000;
530/388.100; 530/350.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 514/012.000;
530/388.100; 530/350.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; A61K038-17; C07K014-47; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 7 OF 26 USPATFULL on STN
AN 2003:113015 USPATFULL
TI 96829, a human transporter family member and uses therefor
IN Curtis, Rory A.J., Framingham, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2003077748 A1 20030424
AI US 2002-264104 A1 20021003 (10)
PRAI US 2001-326906P 20011003 (60)
DT Utility
FS APPLICATION
LN.CNT 4769
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07K014-47; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 8 OF 26 USPATFULL on STN
AN 2003:78428 USPATFULL
TI Methods of identifying the activity of gene products
IN Blume, Arthur J., Annandale, NJ, UNITED STATES
Goldstein, Neil, Maplewood, NJ, UNITED STATES
Pillutla, Renuka, Bridgewater, NJ, UNITED STATES
Hsiao, Ku-Chuan, Easton, PA, UNITED STATES
Prendergast, John, Lawrenceville, NJ, UNITED STATES
PI US 2003054348 A1 20030320
AI US 2001-852455 A1 20010509 (9)
PRAI US 2000-202912P 20000509 (60)
DT Utility
FS APPLICATION
LN.CNT 1435
INCL INCLM: 435/006.000
INCLS: 435/007.100; 435/007.210
NCL NCLM: 435/006.000
NCLS: 435/007.100; 435/007.210
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; G01N033-567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 9 OF 26 USPATFULL on STN
AN 2003:40533 USPATFULL
TI Methods for the inhibition of epstein-barr virus transmission employing
anti-viral peptides capable of abrogating viral fusion and transmission
IN Barney, Shawn O'Lin, Cary, NC, United States
Lambert, Dennis Michael, Cary, NC, United States
Petteway, Stephen Robert, Cary, NC, United States
PA Trimeris, Inc., Durham, NC, United States (U.S. corporation)
PI US 6518013 B1 20030211
AI US 1995-485546 19950607 (8)
RLI Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994,
now patented, Pat. No. US 6017536 Continuation-in-part of Ser. No. US
1994-255208, filed on 7 Jun 1994 Continuation-in-part of Ser. No. US

1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933
DT Utility
FS GRANTED
LN.CNT 24700
INCL INCLM: 435/005.000
INCLS: 424/230.100; 530/300.000; 530/324.000; 530/325.000; 530/326.000
NCL NCLM: 435/005.000
NCLS: 424/230.100; 530/300.000; 530/324.000; 530/325.000; 530/326.000
IC [7]
ICM: C12Q001-70
EXF 435/5; 530/300; 530/324-329; 530/350; 424/230.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:308886 CAPLUS
DN 139:301072
TI Clinical potential of sodium-calcium exchanger inhibitors as
antiarrhythmic agents
AU Pogwizd, Steven M.
CS Department of Medicine, University of Illinois at Chicago, Chicago, IL,
USA
SO Drugs (2003), 63(5), 439-452
CODEN: DRUGAY; ISSN: 0012-6667
PB Adis International Ltd.
DT Journal; General Review
LA English
RE.CNT 110 THERE ARE 110 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1
AN 2003:450973 CAPLUS
DN 139:2086
TI Protein and cDNA sequences of 8.8-kilodalton ***human***
sodium - ***calcium*** ***exchanger*** -like protein and
their therapeutic uses
IN Mao, Yumin; Xie, Yi
PA Bode Gene Development Co., Ltd., Shanghai, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 33 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1361154	A	20020731	CN 2000-135949	20001226
PRAI	CN 2000-135949		20001226		

L2 ANSWER 12 OF 26 IFIPAT COPYRIGHT 2005 IFI on STN DUPLICATE 2
AN 10188601 IFIPAT;IFIUDB;IFICDB
TI 69318, A ***HUMAN*** ***SODIUM*** / ***CALCIUM***
EXCHANGER (TRANSPORTER) FAMILY MEMBER AND USES THEREFOR;
NUCLEOTIDE SEQUENCES CODING TRANSPORT PROTEIN FOR USE IN THE TREATMENT OF
NERVOUS SYSTEM, CARDIOVASCULAR, CELLULAR PROLIFERATIVE AND/OR
DIFFERENTIATIVE, IMMUNE, INFLAMMATORY, HEMATOPOIETIC, PAIN OR METABOLIC
DISORDERS
IN Curtis Rory A J
PA Millennium Pharmaceuticals Inc (41994)
PI US 2002132303 A1 20020919
AI US 2002-94214 20020308
PRAI US 2001-275078P 20010312 (Provisional)
FI US 2002132303 20020919
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
CLMN 22
GI 1 Figure(s).

FIG. 1 depicts a hydropathy plot of human 69318. Relatively hydrophobic residues are shown above the dashed horizontal line, and relatively hydrophilic residues are below the dashed horizontal line. The cysteine residues (cys) are indicated by short vertical lines just below the hydropathy trace. The numbers corresponding to the amino acid sequence of human 69318 are indicated. Polypeptides of the invention include

fragments which include: all or part of a hydrophobic sequence, e.g., a sequence above the dashed line, e.g., the sequence from about amino acid 10 to 26, from about 168 to 192, and from about 486 to 509 of SEQ ID NO:2; all or part of a hydrophilic sequence, e. g., a sequence below the dashed line, e.g., the sequence from about amino acid 251 to 258, from about 271 to 281, and from about 346 to 357 of SEQ ID NO:2; a sequence which includes a Cys, or a glycosylation site.

L2 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:864380 CAPLUS

DN 137:346217

TI Targeting the reverse mode of the sodium/calcium exchanger for the treatment of optic neuropathy associated with glaucoma and ischemic optic neuropathy

IN Adorante, Joseph S.; Ehring, George R.; Kopper, Kara L.

PA Allergan, Inc., USA

SO U.S., 6 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6479458	B1	20021112	US 2001-5829	20011108
	WO 2003039573	A1	20030515	WO 2002-US32651	20021011
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1441751	A1	20040804	EP 2002-778535	20021011
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	BR 2002013947	A	20040831	BR 2002-13947	20021011
	JP 2005508374	T2	20050331	JP 2003-541864	20021011
PRAI	US 2001-5829	A	20011108		
	WO 2002-US32651	W	20021011		

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 14 OF 26 USPATFULL on STN

AN 2002:297296 USPATFULL

TI Methods for inhibition of membrane fusion-associated events, including respiratory syncytial virus transmission

IN Bolognesi, Dani Paul, Durham, NC, United States

Matthews, Thomas James, Durham, NC, United States

Wild, Carl T., Durham, NC, United States

Barney, Shawn O'Lin, Cary, NC, United States

Lambert, Dennis Michael, Cary, NC, United States

Petteway, Stephen Robert, Cary, NC, United States

Langlois, Alphonse J., Durham, NC, United States

PA Trimeris, Inc., Durham, NC, United States (U.S. corporation)

PI US 6479055 B1 20021112

AI US 1995-470896 19950606 (8)

RLI Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994, now patented, Pat. No. US 6017536 Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933

DT Utility

FS GRANTED

LN.CNT 26553

INCL INCLM: 424/211.100

INCLS: 424/186.100; 530/324.000

NCL NCLM: 424/211.100

NCLS: 424/186.100; 530/324.000

IC [7]

ICM: A61K039-145

EXF 435/5; 435/240.2; 424/184.1-189.1; 424/204.1-211.1; 424/225.1;
424/227.1; 424/230.1; 514/1; 514/2; 530/324; 530/350; 530/826
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 15 OF 26 USPATFULL on STN
AN 2001:67794 USPATFULL
TI Human respiratory syncytial virus peptides with antifusogenic and
antiviral activities
IN Barney, Shawn O'Lin, Cary, NC, United States
Lambert, Dennis Michael, Cary, NC, United States
Petteway, Stephen Robert, Cary, NC, United States
PA Trimeris, Inc., Durham, NC, United States (U.S. corporation)
PI US 6228983 B1 20010508
AI US 1995-485264 19950607 (8)
RLI Division of Ser. No. US 1995-470896, filed on 6 Jun 1995
Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994
Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994
Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now
patented, Pat. No. US 5464933
DT Utility
FS Granted
LN.CNT 32166
INCL INCLM: 530/300.000
INCLS: 530/324.000; 530/325.000; 530/326.000; 424/211.100; 424/186.100
NCL NCLM: 530/300.000
NCLS: 424/186.100; 424/211.100; 530/324.000; 530/325.000; 530/326.000
IC [7]
ICM: A61K038-00
EXF 530/350; 530/324-329; 530/300; 424/211.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 16 OF 26 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
AN 2001:558807 BIOSIS
DN PREV200100558807
TI Genome search for QTL controlling pulse pressure: A practical application
of the unified Haseman-Elston algorithm.
AU Li, J. [Reprint author]; Niu, T. [Reprint author]; Rogus, J.; Yang, J.;
Schork, N. [Reprint author]; Fang, Z.; Xu, X. [Reprint author]
CS Prog Population Genetics, Harvard Sch Public Health, Boston, MA, USA
SO American Journal of Human Genetics, (October, 2001) Vol. 69, No. 4
Supplement, pp. 510. print.
Meeting Info.: 51st Annual Meeting of the American Society of Human
Genetics. San Diego, California, USA. October 12-16, 2001.
CODEN: AJHGAG. ISSN: 0002-9297.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 5 Dec 2001
Last Updated on STN: 25 Feb 2002

L2 ANSWER 17 OF 26 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
AN 1999:194919 BIOSIS
DN PREV199900194919
TI Gene expression of Na/Ca exchanger during development in human fetal
heart.
AU Qu, Y. [Reprint author]; Ghatpande, A. [Reprint author]; El-Sherif, N.
[Reprint author]; Boutjdir, M. [Reprint author]
CS V.A. Medical and SUNY/HS Centers, Brooklyn, NY, 11209, USA
SO Biophysical Journal, (Jan., 1999) Vol. 76, No. 1 PART 2, pp. A300. print.
Meeting Info.: Forty-third Annual Meeting of the Biophysical Society.
Baltimore, Maryland, USA. February 13-17, 1999.
CODEN: BIOJAU. ISSN: 0006-3495.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 25 May 1999
Last Updated on STN: 25 May 1999

L2 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1997:24471 CAPLUS
DN 126:128406
TI Molecular characterization of the human airway smooth muscle Na+/Ca2+ exchanger
AU Pitt, Anthony; Knox, Alan J.
CS Department of Respiratory Medicine, City Hospital, Nottingham, UK
SO American Journal of Respiratory Cell and Molecular Biology (1996), 15(6), 726-730
CODEN: AJRBEL; ISSN: 1044-1549
PB American Lung Association
DT Journal
LA English
RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1996:432802 CAPLUS
DN 125:134211
TI Molecular biological studies of the cardiac sodium-calcium exchanger
AU Kraev, Alexander; Chumakov, Ilya; Carafoli, Ernesto
CS Laboratory of Biochemistry III, Swiss Federal Institute of Technology (ETH), Zurich, CH-8092, Switz.
SO Annals of the New York Academy of Sciences (1996), 779(Sodium-Calcium Exchange), 103-109
CODEN: ANYAA9; ISSN: 0077-8923
PB New York Academy of Sciences
DT Journal
LA English

L2 ANSWER 20 OF 26 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 1990:519135 BIOSIS
DN PREV199090136411; BA90:136411
TI A TETRODOTOXIN AND MANGANESE INSENSITIVE SODIUM CURRENT IN DUCHENNE MUSCULAR DYSTROPHY.
AU BKAILLY G [Reprint author]; JASMIN G; TAUTU C; PROCHEK L; YAMAMOTO T; SCULPTOREANU A; PEYROW M; JACQUES D
CS DEP PHYSIOLOGY BIOPHYSICS, FAC MED, UNIVERSITY SHERBROOKE, SHERBROOKE, QUEBEC, CANADA J1H 5N4
SO Muscle and Nerve, (1990) Vol. 13, No. 10, pp. 939-948.
CODEN: MUNEDE. ISSN: 0148-639X.
DT Article
FS BA
LA ENGLISH
ED Entered STN: 19 Nov 1990
Last Updated on STN: 20 Nov 1990

L2 ANSWER 21 OF 26 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN ABB84483 Protein DGENE
TI New nucleic acid molecules designated 69318 encoding sodium/calcium exchanger family members, useful in screening assays, diagnostic assays, and treating conditions related to aberrant activity -
IN Curtis R A J
PA (MILL-N) MILLENIUM PHARM INC.
PI EP 1241260 A1 20020918 61p
AI EP 2002-251810 20020312
PRAI US 2001-275078 20010312
DT Patent
LA English
OS 2002-714944 [78]
CR N-PSDB: AAF88811; AAF88812
DESC ***Human*** ***sodium*** / ***calcium*** ***exchanger***
69318.

L2 ANSWER 22 OF 26 DGENE COPYRIGHT 2005 The Thomson Corp on STN
AN AAF88812 DNA DGENE
TI New nucleic acid molecules designated 69318 encoding sodium/calcium exchanger family members, useful in screening assays, diagnostic assays, and treating conditions related to aberrant activity -
IN Curtis R A J
PA (MILL-N) MILLENIUM PHARM INC.

PI EP 1241260 A1 20020918 61p
 AI EP 2002-251810 20020312
 PRAI US 2001-275078 20010312
 DT Patent
 LA English
 OS 2002-714944 [78]
 CR P-PSDB: ABB84483
 DESC ***Human*** ***sodium*** / ***calcium*** ***exchanger***
 69318 coding region DNA.

L2 ANSWER 23 OF 26 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AN AAF88811 DNA DGENE
 TI New nucleic acid molecules designated 69318 encoding sodium/calcium
 exchanger family members, useful in screening assays, diagnostic assays,
 and treating conditions related to aberrant activity -

IN Curtis R A J
 PA (MILL-N) MILLENIUM PHARM INC.
 PI EP 1241260 A1 20020918 61p
 AI EP 2002-251810 20020312
 PRAI US 2001-275078 20010312
 DT Patent
 LA English
 OS 2002-714944 [78]
 CR P-PSDB: ABB84483
 DESC ***Human*** ***sodium*** / ***calcium*** ***exchanger***
 69318 DNA.

L2 ANSWER 24 OF 26 GENBANK.RTM. COPYRIGHT 2005 on STN

LOCUS (LOC): AX537507 GenBank (R)
 GenBank ACC. NO. (GBN): AX537507
 GenBank VERSION (VER): AX537507.1 GI:25269333
 CAS REGISTRY NO. (RN): 493300-22-4
 SEQUENCE LENGTH (SQL): 1755
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Patent
 DATE (DATE): 23 Nov 2002
 DEFINITION (DEF): Sequence 3 from Patent EP1241260.
 SOURCE: Homo sapiens (human)
 ORGANISM (ORGN): Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
 Hominidae; Homo
 NUCLEIC ACID COUNT (NA): 291 a 538 c 484 g 442 t
 REFERENCE: 1
 AUTHOR (AU): Curtis, R.A.
 TITLE (TI): 69318, a ***human*** ***sodium*** /
 calcium ***exchanger*** (transporter
 protein) and uses therefor
 JOURNAL (SO): Patent: EP 1241260-A 3 18-SEP-2002; MILLENIUM
 PHARMACEUTICALS, INC. (US)

FEATURES (FEAT):

Feature Key	Location	Qualifier
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CDS	1..1755	/note="unnamed protein product"
		/codon-start=1
		/protein-id="CAD57495.1"
		/db-xref="GI:25269334"
		/translation="MAGRRNLNRWALSVLCVLLM AETVSGTRGSSTGAHISQFPASG VNQTPVVDCKVCGLNVSRCDFIRTNPDCHSDG GYLDYLEGIFCHFPSPSLLPLAVTL YVSWLLLYLFLILGVTAAKFFCPNLSAISTTLKLS HNVAGVTFLAFNGAPDIFSALVA FSDPHTAGLALGALFGAGVLVTTVVAGGITILHP FMAASRPFFRDIVFYMAVFLTFL MLFRGRVTLAWALGYLGLYVFYVVTVILCTWIYQ RQRRGSLFCMPVTPPEILSDSEED RVSSNTNSYDYGDEYRPLFFYQETTAQILVRALN

PLDYMKWRKRSAYWKALKVFKLPV
 EFLLLLTVPVVDPKDDQNWKRPLNCLHLVISPL
 VVVLTLQSGTYGVYEIGGLVPVWV
 VVVIAGTALASVTFATSDSQPPRLHWLFAFLGF
 LTSALWINAAATEVVNLRSLGVV
 FRLSNTVLGLTLLAWGNSIGDAFSDFTLARQGYF
 RMAFSACFGGIIIFNILVGVLGCL
 LQISRSHTEVKLEPDGLLVWVLAGALGLSLVFSL
 VSVPLQCFQLSRVYGFCLLLFYLN
 FLVVALLTEFGVIHLKSM"

SEQUENCE (SEQ) :

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121 ccagcttcag gtgtgaacca gacccccgtg gtagactgcc gcaagggtgtg tggcctgaat
181 gtctctgacc gctgtgactt catccggacc aaccctgact gccacagtga tgggggggtac
241 ctggactacc tgggaaggcat cttctgccac ttccctccca gcctcctccc tctggctgtc
301 actctctacg tttcctggct gctctacctg tttctgattc tgggagtcac cgcagccaag
361 tttttctgcc ccaacttgct ggccatttct accacactga agctctccca caacgtggca
421 ggcgtcacct tcctggcatt tgggaatggg gcacctgaca tcttcagtgc cctgggtggcc
481 ttctctgacc cgcacacagc cggcctggcc cttggggcac tgtttgggcg tggcggtgctg
541 gttaccacag tgggtggcgg aggcattacc atcctacacc ccttcattgg tgctccagg
601 ccctctctca gggacatcgt tttctacatg gtggctgtgt tcctgacctt cctcatgctc
661 ttccgtggca gggtcaccct ggcattgggt ctgggttacc tgggcttcta tgtgttctat
721 gtgggtcactg tgattctctg cacctggatc taccaacggc aacggagagg atctctgttc
781 tgcccatgca cagttactcc agagatcctc tcagactccg aggaggaccg ggtatcttct
841 aataccaaca gctatgacta cgggtgatgag taccggccgc tgctcttcta ccaggagacc
901 acgggtcaga tcctgggtcg ggccctcaat ccctggattt acatgaagtg gagaaggaaa
961 tcagcatact ggaaagccct caagggtgtc aagctgcctg tggagttcct gctgctcctc
1021 acagtccccg tcgtggaccc ggacaaggat gaccagaact ggaaacggcc cctcaactgt
1081 ctgcatctgg ttatcagccc cctgggtgtg gtccctgacc tgcatcgagg gacctatggt
1141 gtctatgaga taggcggcct cgttcccgtc tgggtcgtgg tgggtgatcg aggcacagcc
1201 ttggcttcag tgaccttttt tgccacatct gacagccagc ccccaggctc tcatggctc
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1321 gtgaacatct tgcgggtccc ggggtgtggtc ttccggctga gcaacactgt gctggggctc
1381 acgtgctggt cctgggggaa cagcattgga gatgccttct cggatttcac actggctcgc
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1501 gtgggtgtgg ggctgggctg cctgctccag atctcccga gccacacaga agtgaagctg
1561 gagccagacg gactgctggt gtgggtcctg gcaggcgccc tggggctcag cctcgtcttc
1621 tcctggtctc cagtccatt gcagtgtctc cagctcagca gactctatgg cttctgctg
1681 ctctcttctt acctgaactt cctgtcgtg gcctcctca ctgaatttgg agtgattcac
1741 ctgaaaagca tgtga

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L2 ANSWER 25 OF 26 GENBANK.RTM. COPYRIGHT 2005 on STN

LOCUS (LOC): AX537505 GenBank (R)
 GenBank ACC. NO. (GBN): AX537505
 GenBank VERSION (VER): AX537505.1 GI:25269330
 CAS REGISTRY NO. (RN): 493300-21-3
 SEQUENCE LENGTH (SQL): 2875
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Patent
 DATE (DATE): 23 Nov 2002
 DEFINITION (DEF): Sequence 1 from Patent EP1241260.
 SOURCE: Homo sapiens (human)
 ORGANISM (ORGN): Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
 Hominidae; Homo
 NUCLEIC ACID COUNT (NA): 525 a 868 c 810 g 672 t
 REFERENCE: 1
 AUTHOR (AU): Curtis, R.A.
 TITLE (TI): 69318, a ***human*** ***sodium*** /
 calcium ***exchanger*** (transporter
 protein) and uses therefor
 JOURNAL (SO): Patent: EP 1241260-A 1 18-SEP-2002; MILLENIUM
 PHARMACEUTICALS, INC. (US)

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..2875	/organism="Homo sapiens"

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/db-xref="taxon:9606"
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 JOURNAL (SO): Unpublished
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 JOURNAL (SO): Submitted (03-JAN-1997) Department of Genetics, Case
 Western Reserve University, 2109 Adelbert Road,
 Cleveland, OH 44106, USA

FEATURES (FEAT):

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